

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claim 1 (Currently Amended): A method for dynamically controlling speed of a scroll device providing scroll functions for setting time of a time keeping display having minute and hour indicators, said scroll device generating scroll signals representing scroll events and communicating said signals to a control device for advancing said minute and hour indicators in response thereto, said method comprising:

- a) receiving first scroll signals from said scroll device and, in response to received first scroll signals, incrementally advancing a time keeping display minute indicator in a first direction according to fine-grain time increments, and simultaneously tracking the advancing direction;
- b) counting said ~~fine-grain time increments in said first direction~~ received first scroll signals; and,
- c) thereafter, in response to continued receipt of first scroll signals, seamlessly advancing said time keeping display minute indicator according to coarse-grain time increments in said first direction when a count of said ~~fine-grain time increments~~ received first scroll signals exceeds a predetermined number, said coarse-grain time increments greater than said fine-grain time increments, whereby fewer scroll device manipulations are required to achieve a desired time set without notice to the user.

Claim 2 (Previously Amended): The method as claimed in Claim 1, further comprising the steps of:

- d) receiving second scroll signals in response to manipulating said scroll device to change direction of said time keeping display minute indicator;
- e) determining said change in direction; and,
- f) incrementally advancing said time keeping display minute indicator in said changed direction according to fine-grain time increments,

wherein said time keeping display minute indicator movement is changed from coarse-grain time movement in said first direction to fine-grain time movement in said changed direction.

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Claim 3 (Original): The method as claimed in Claim 1, wherein said scroll device generates scroll events in response to manipulation thereof, said generated scroll signals corresponding to said scroll events, wherein said fine-grain time increments of said display minute indicator corresponds to one (1) minute increment per scroll event.

Claim 4 (Original): The method as claimed in Claim 3, wherein said coarse-grain time increments of said display minute indicator corresponds to five (5) minutes increments per scroll event.

Claim 5 (Original): The method as claimed in Claim 4, wherein said step c) of providing coarse-grain time increments includes incrementally advancing said display minute indicator

a pre-determined number of time increments per one or more scroll events and increasing said pre-determined number for each subsequent one or more scroll events.

Claim 6 (Original): The method as claimed in Claim 5, further comprising the steps of:

receiving second scroll signals in response to manipulating said scroll device to change direction of said time keeping display minute indicator;
determining said change in direction; and,
incrementally advancing said time keeping display minute indicator in said changed direction according to fine-grain time increments, and simultaneously tracking said advancing direction.

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Claim 7 (Original): The method as claimed in Claim 1, further including the step of implementing said scroll device for incrementing advancing a time keeping display hour indicator in a first direction according to received first scroll signals, and simultaneously tracking said advancing direction.

Claim 8 (Original): The method as claimed in Claim 7, further comprising the steps of:

receiving second scroll signals in response to manipulating said scroll device to change direction of said time keeping display hour indicator;
determining said change in direction; and,
incrementally advancing said time keeping display hour indicator in said changed direction according to fine-grain time increments, and simultaneously tracking said advancing direction.

Claim 9 (Original): The method as claimed in Claim 7, wherein said scroll device further generates click events in response to manipulation thereof, and generates third scroll signals corresponding to said click events for communication to said control device, said method further comprising the step of: independently enabling scroll device control of either said time keeping display minute indicator or said time keeping display hour indicator upon receipt of a third scroll signal.

Claim 10 (Previously Amended): A system for dynamically controlling scrolling functions for a display indicator capable of navigating through a high-resolution display provided in a wearable appliance that displays textual or graphical content, said system comprising:

a scroll device for manipulation by a user to provide said scrolling functions for advancing said indicator, said scroll device generating scroll events; and,

a control device for receiving said scroll events, tracking an advancing direction of said indicator by counting received scroll events, and providing dynamic speed control of said indicator by advancing said indicator according to fine-grain and coarse-grain increments in response to a count of said received scroll events and said tracked direction, wherein said dynamic speed control is seamless to the user.

Claim 11 (Original): The system as claimed in Claim 10, wherein said control device comprises a mechanism for determining a predetermined number of said fine-grain increments, whereby upon continued manipulation of said scroll device, after determination of a predetermined number of said fine-grain increments, said control device enabling coarse-

grain advancement of said display indicator per scroll event in said first direction to thereby advance to a desired display position with fewer scroll device manipulations.

Claim 12 (Original): The system as claimed in Claim 11, wherein said appliance provides time keeping functions, said indicator including a time keeping display minute and hour indicators for a time keeping function, whereby, said control device enables incremental fine-grain advancement of said time keeping display minute indicator per scroll event in a first direction, and, upon continued manipulation of said scroll device, after determination of a predetermined number of said fine-grain increments, enables coarse-grain advancement of said time keeping display minute indicator per scroll event in said first direction to thereby achieve a desired time set with fewer scroll device manipulations.

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Claim 13 (Original): The system as claimed in Claim 11, whereupon determination of user manipulation of said scroll device to effect a change in advancing direction of said indicator, said control device enables incremental fine-grain advancement of said indicator per scroll event in said changed direction.

Claim 14 (Original): The system as claimed in Claim 11, wherein said scroll device is a roller wheel.

Claim 15 (Original): The system as claimed in Claim 11, wherein said scroll device is a mouse wheel.

Claim 16 (Currently Amended): A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for dynamically controlling scrolling functions for a display indicator capable of navigating through a display provided in a wearable appliance that displays textual or graphical content, said appliance implementing a scroll device for generating scroll events in response to user manipulation thereof, said method steps including the steps of:

- a) receiving scroll events for incrementally advancing said indicator per scroll event in a first direction to provide fine-grain scroll indicator movement, and simultaneously tracking the advancing direction;
- b) counting said ~~fine-grain indicator increments in said first direction~~ received scroll events; and,
- c) thereafter, in response to continued receipt of scroll events, providing in a manner that is seamless to a user, coarse-grain scroll indicator movement by advancing said indicator for a pre-determined number of increments per scroll event in said first direction when a count of said ~~fine-grain indicator increments~~ received scroll events exceeds a predetermined number, said coarse-grain scroll indicator movement greater than said fine-grain scroll indicator movement, whereby fewer scroll device manipulations are required to achieve a desired scroll indicator position on said display.

Claim 17 (Original): The program storage device readable by a machine as claimed in Claim 16, further comprising the steps of:

- d) receiving scroll events in response to manipulating said scroll device to change direction of said indicator movement;

- e) determining said change in direction; and,
- f) incrementally advancing said indicator per received scroll event in said changed direction to provide fine-grain scroll indicator movement.

Claim 18 (Original): The program storage device readable by a machine as claimed in Claim 17, wherein said appliance provides time keeping functions, said indicator including a time keeping display minute and hour indicators for a time keeping function.

Claim 19 (Currently Amended): A method for dynamically controlling scrolling functions for a display indicator capable of navigating through a display provided in a wearable appliance that displays textual or graphical content, said appliance implementing a scroll device for generating scroll events in response to user manipulation thereof, said method comprising the steps of:

- a) receiving scroll events for incrementally advancing said indicator per scroll event in a first direction to provide fine-grain scroll indicator movement, and simultaneously tracking the advancing direction;
- b) counting said ~~fine-grain indicator increments in said first direction~~ received scroll events; and,
- c) thereafter, in response to continued receipt of scroll events, providing in a manner that is seamless to a user, coarse-grain scroll indicator movement by advancing said indicator for a pre-determined number of increments per scroll event in said first direction when a count of said fine-grain indicator increments exceeds a predetermined number, said coarse-grain scroll indicator movement greater than said fine-grain scroll indicator movement,

whereby fewer scroll device manipulations are required to achieve a desired scroll indicator position on said display.

Claim 20 (Original): The method as claimed in Claim 19, further comprising the steps of:

d) receiving scroll events in response to manipulating said scroll device to change direction of said indicator movement;

e) determining said change in direction; and,

f) incrementally advancing said indicator per received scroll event in said changed direction to provide fine-grain scroll indicator movement.